

Abstract

A system and method for creating a graphical program that performs a numerical function on at least a subset of a set of data values received over a period of time. The method may utilize a “collector node”, which simplifies these types of common programming tasks. The collector node may be operable to maintain state information regarding received data values and may use the state information to determine a data collection on which to perform a numerical function. The data collection comprises at least a subset of data values that have been received by the collector node. The user may be able to configure the collector mode to determine the data collection in various ways.